

## **Discoverer Enterprise**

**May 3, 2010**

Transocean's *Discoverer Enterprise* is a massive, multi-purpose ultra-deepwater drillship. It can drill, test and complete wells in water depths of up to 10,000 feet - almost two miles. At 835 feet long, the *Discoverer Enterprise* is almost as long as three U.S. football fields, and it can drill a well more than 6.5 miles beneath its drill floor.

The *Discoverer Enterprise* also has extended well-testing and storage capabilities. The drillship's capability of storing 125,000 barrels of crude oil is one of the operations planned in BP's ongoing oil-recovery efforts.

The *Discoverer Enterprise* is also equipped with Transocean's patented dual-activity drilling technology, which has the unique capability to conduct drilling operations simultaneously, rather than sequentially in series. Two full-capability, full-capacity drilling stations - in actuality two separate drilling rigs -- carry out these parallel operations under a single, massive derrick. Two full-sized rotary tables are designed into a drill floor more than twice as large as a conventional one. This specialized equipment has the potential to aid BP in subsea operations on MC 252.

To ensure stability offshore, even during a hurricane, the vessel's six, 7,000 horsepower thrusters are controlled by a triple redundant, dynamic positioning system.

### **Facts about Discoverer Enterprise**

The 835-foot-long rig is nearly as long as three U.S. football fields.  
The rig's height of 418 feet exceeds one U.S. football field.

Constructed with more than 75 million pounds of steel and other materials -- equal to the weight of more than 1,300 empty flatbed railcars -- the rig displaces over 220 million pounds, or 103,000 metric tons.

The rig is capable of generating almost 40 megawatts of power, enough electricity for 40,000 homes.

The rig can drill a well 35,000 feet below sea level, or more than 6.5 miles from the drill floor.

About 1,600 miles of cable and wiring run throughout the *Discoverer Enterprise*, the approximate distance from Houston, Texas, to New York City, USA.  
Living quarters on the vessel can accommodate up to 200 people.

### **Enterprise-Class Drillships Video**

Watch our video about the *Discover Enterprise* and two identical ultra-deepwater drillships at: <http://www.deepwater.com/fw/main/Rig-Videos-20.html>

More *Discoverer Enterprise* specifications are available at:  
<http://www.deepwater.com/fw/main/Discoverer-Enterprise-61C17.html?LayoutID=17>